

Street 1 of 2

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 21, 2003

ATTY DOCKET NO.
2000_1526

SERIAL NO.
09/705,776

APPLICANT
Mitsuaki OSHIMA

FILING DATE
November 6, 2000

GROUP
2634

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	AA	5,128,758	7-7-92	Azadegan et al.			
JS	AB	5,038,402	8-6-91	Robbins			
JS	AC	5,638,112	6-10-97	Bestler et al.			
JS	AD	5,063,445	11-5-91	Nishizawa et al.			
JS	AE	5,819,000	10-6-98	Oshima			
JS	AF	5,999,569	12-7-99	Oshima			
JS	AG	5,892,879	4-6-99	Oshima			
JS	AH	6,049,651	4-11-00	Oshima			
JS	AI	6,256,357	7-3-01	Oshima			

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OCT 23 2003
Technology Center 2600

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
JS	AJ	3-69295	3-25-91	Japan				X
JS	AK	2-260726	10-23-90	Japan				X
JS	AL	58-161427	9-26-83	Japan			abstract	
JS	AM	57-39629	3-4-82	Japan			abstract	
JS	AN	58-161547	9-26-83	Japan			abstract	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER *[Signature]* DATE CONSIDERED 07/06/05

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include cop. this form with next communication to applicant.

FORM PTO 1448 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 21, 2003

ATTY DOCKET NO.
2000_1526

SERIAL NO.
09/705,776

APPLICANT
Mitsuaki OSHIMA

FILING DATE
November 6, 2000

GROUP
2634

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
J	AA	5,170,413	12-8-92	Hess et al.	—	—	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

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OCT 23 2003

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH	63-180222	7-25-88	Japan	—	—	abstract
	AI	2-94814	4-5-90	Japan	—	—	abstract
	AJL	61-70861	4-11-86	Japan	—	—	abstract
	AK	2-218279	8-30-90	Japan	—	—	abstract
	AL	2,095,435	5-10-92	Canada	—	—	X
	AM	91/20137	12-26-91	WO	—	—	X
	AN	92/22162	12-10-92	WO	—	—	X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

07/04/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include cop. this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
2000_1526SERIAL NO.
09/705,776LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Mitsuki OSHIMA

Date Submitted to PTO: April 13, 2000

FILING DATE
November 6, 2000GROUP
2634

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ						
	AK						
	AL						
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

5	AO	J. A. C. Bingham, "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", IEEE Communications Magazine, Vol. 28, May 1990, pages 5-8 and 11-14
4	AP	B. Hirosaki, "An Orthogonally Multiplexed QAM System Using the Discrete Fourier Transform", IEEE Transactions on Communications, Vol. Com-29, No. 7, July 1981, pages 982-989
5	AQ	L. J. Cimini, Jr., "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing", IEEE Transactions on Communications, Vol. Com-33, No. 7, July 1985, pages 665-675 and Annex

EXAMINER

DATE CONSIDERED

07/06/05

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: July 21, 2004

ATTY DOCKET NO.
2000_1526SERIAL NO.
09/705,776APPLICANT
Mitsuaki OSHIMAFILING DATE
November 6, 2000GROUP
2634

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DIPE	AA						
JUL 21 2004	AB						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
U	AJ	2-154583	6-13-90	Japan			abstract	
	AK							
	AL							
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

U	AO	Shigeki MORIYAMA et al., "Delay Propagation Characteristics at VHF and UHF bands in Urban Area", 1991 Spring National Convention Record, The Institute of Electronics, Information and Communication Engineers, Part 2, p. 406, March 15, 1991
U	AP	Yasuhiro ITO et al., "Adaptive Weighted Code Division Multiplexing (AW-CDM) Transmission System for Terrestrial Digital Television Broadcasting", ITE Technical Report Vol. 17, No. 13, pp 27-32, February 25, 1993
	AQ	

EXAMINER

DATE CONSIDERED

07/06/05

Sheet 1 of 2		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified)		PATENT DOCKET NO. 2000_1526				SERIAL NO. 09/705,776	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Mitsuaki OSHIMA					
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FILING DATE November 6, 2000				GROUP 2634	
Date Submitted to PTO: April 4, 2005							
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
J	AA	3,824,548	Sullivan et al.				
J	AB	3,959,726	Hinoshita et al.				
J	AC	4,303,939	Stephens et al.				
J	AD	4,303,941	Marti et al.				
J	AE	4,309,726	Tanaka et al.				
J	AF	4,535,352	Haskell				
J	AG	4,564,858	Resch				
J	AH	4,581,639	Judge				
J	AI	4,769,819	Matsutani et al.				
J	AJ	4,794,447	Tsinberg				
J	AK	4,800,426	Glenn				
J	AL	4,817,192	Phillips et al.				
J	AM	5,007,088	Ooi et al.				
J	AN	5,029,003	Jonnalagadda				
J	AO	5,134,464	Basile et al.				
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
AP	5-327807	12-10-93	Japan			abstract	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
J	AQ	Masafumi SAITO et al., "Bit Error Rate Characteristics of OFDM in Multipath Environment", 1991					
J	AR	Ryutaro OHMOTO et al., "π/4-shift QPSK Subcarrier Transmission", 1991					
EXAMINER			DATE CONSIDERED 02/06/05				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include cop. this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT									
Sheet 2 of 2		FORM PTO 1449 (modified)				ATTY DOCKET NO. 2000_1526		SERIAL NO. 09/705,776	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						APPLICANT Yasuaki OSHIMA			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)						FILING DATE November 6, 2000		GROUP 2634	
Date Submitted to PTO: April 4, 2005									
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
J	AA	5,181,112	1-19-93	Citta et al.					
J	AB	5,377,051	12-27-94	Lane et al.					
J	AC	5,400,084	3-21-95	Scarpa					
J	AD	5,576,902	11-19-96	Lane et al.					
J	AE	5,218,622	6-8-93	Fazel et al.					
J	AF	5,561,468	10-1-96	Bryan et al.					
J	AG	5,598,220	1-97	Citta et al.					
J	AH	5,802,241	9-1-98	Oshima					
	AI								
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
J	AJ	7-264148	10-13-95	Japan			abstract		
J	AK	7-322219	12-8-95	Japan			abstract		
J	AL	3-48587	3-1-91	Japan			abstract		
	AM								
	AN								
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
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	AP								
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EXAMINER					DATE CONSIDERED				

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JUL. 8. 2005 3:58PM

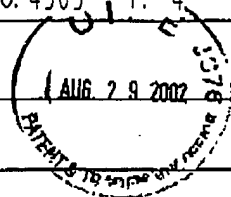
NO. 4363 P. 4

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: August 29, 2002

ATTY DOCKET NO.
2000_1526SERIAL NO.
09/705,776APPLICANT
Mitsuaki OSHIMAFILING DATE
November 6, 2000GROUP
2614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
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	AG						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
AS	AJ	7-79415	3-20-95	Japan			abstract	
↓	AK	5-75568	3-26-93	Japan			abstract	
AS	AL	7-99522	4-11-95	Japan			abstract	
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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	AP	
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DATE CONSIDERED

4.19.03

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUL 8 2005 3:58PM

NO. 4363—P. 5

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: December 31, 2002

ATTY DOCKET NO.
2000_1526SERIAL NO.
09/705,776APPLICANT
Mitsuaki OSHIMAFILING DATE
November 6, 2000GROUP
2614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	4,940,954	7-10-90	Aubert et al.			
	AB						
	AC						
	AD						
	AE						
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	AH						
	AI						

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	AJ	2-141049	5-30-90	Japan			X
↓	AK	2-195732	8-2-90	Japan			abstract
AS	AL	5-167633	7-2-93	Japan			abstract
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Portion of Pages, Etc.)

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DATE CONSIDERED

4.19.03

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JUL 8 2005 3:58PM

NO. 4363 P. 6

Sheet 1 of 2

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: November 8, 2000

ATTY DOCKET NO.
2000_1526SERIAL NO.
NEWAPPLICANT
Mitsuaki OSHIMAFILING DATE
November 6, 2000

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	5,311,550	5-10-94	Fouche et al.			
	AB	4,630,287	12-16-86	Armstrong			
	AC	4,271,527	6-2-81	Armstrong			
	AD	5,050,188	9-17-91	Dirr			
	AE	5,398,073	3-14-95	Wei			
	AF	5,452,015	9-19-95	Hulyalkar			
	AG	5,565,932	10-15-96	Gitta et al.			
	AH	5,481,412	1-2-96	Bannai et al.			
	AI	3,909,721	9-30-75	Bussgang et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	0365431	4-25-90	EP				X
	AK	0485105	5-13-92	EP			X	
	AL	92/14343	8-20-92	WO			X	
	AM	89/08366	9-8-89	WO			X	
	AN	0031193	7-1-81	EP			X	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Shinji Matsumoto et al., "200 Mb/s 16 QAM Digital Radio-Relay System Operating in 4 and 5 GHz Bands", Japan Telecommunications Review, January 1982, vol. 24, no. 1, pages 65-73.
	AP	M. Pecot et al., "Compatible Coding of Television Images, Part 2. Compatible System", Signal Processing Image Communication, October 2, 1990, no. 3, pages 259-268.
AS	AQ	Mitsuaki Oshima, "Constellation-Code Division Multiplex for Digital HDTV", IEEE, 1992, pages 1086-1092.

EXAMINER

Amandate

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"JUL. 8. 2005" 3:58PM
Sheet 2 of 2

NO. 4363 P. 7

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: November 6, 2000				ATTY DOCKET NO. 2000_1526		SERIAL NO. NEW	
APPLICANT Mitsvaki OSHIMA				FILING DATE November 6, 2000		GROUP	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	4,227,152	10-7-80	Godard et al.			
	AB	4,525,846	6-25-85	Bremer et al.			
	AC	4,751,478	6-14-88	Yoshida			
	AD	4,891,806	1-2-90	Farias et al.			
	AE	4,903,125	2-20-90	Parker			
	AF	4,937,844	6-26-90	Kao			
	AG	5,164,963	11-17-92	Lawrence et al.			
	AH	5,555,275	9-1996	Oshima			
	AI						

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	0311188	4-12-89	EP			X
	AK	0329158	8-23-89	EP			X
	AL	64-5135	1-10-89	JP			X
	AM	63-28145	2-5-88	JP			X
	AN	62-133842	6-17-87	JP			X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AO	Tricia Hill et al., "A Performance Study of NLA 64-State QAM", IEEE Transactions on Communications, vol. COM-31, June 1983, no. 6, pages 821-826.
	AP	Hideki Ishio et al., "A Proposal of a Carrier Digital Transmission System Using Multi-Level APSK", pages 1-20.
	AQ	

EXAMINER <i>Amandase</i>	DATE CONSIDERED 4.19.03
-----------------------------	----------------------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUL 8 2005 3:59PM

NO. 4363 P. 8

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: November 6, 2000

ATTY DOCKET NO.
2000_1528SERIAL NO.
NEWAPPLICANT
Mitsuaki OSHIMAFILING DATE
November 6, 2000

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	AA	5,105,442	4-14-92	Wei			
	AB	4,048,572	9-13-77	Dogliotti et al.			
	AC	5,282,019	1-25-94	Basile et al.			
	AD	5,311,547	5-10-94	Wei			
	AE	5,267,021	11-30-93	Ramchandran et al.			
	AF	5,038,219	8-6-91	Yamashita et al.			
	AG	5,087,975	2-11-92	Citta et al.			
	AH	5,086,340	2-4-92	Citta et al.			
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	53-137657	12-1-78	JP			X
	AK	0282298	9-14-88	Europe			X
	AL	0392538	10-17-90	Europe			X
	AM	0490552	6-17-92	Europe			X
	AN	0506400A2	9-30-92	Europe			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Khaled Fazel et al., Combined multilevel coding and multiresolution modulation, February 8, 1993, Pages 1081-1085
	AP	P. Hoeher et al., Performance of an RCPC-Coded OFDM-based Digital Audio Broadcasting (DAB) System, IEEE Global Telecommunications Conference "Globecom '91", December 2-5, 1991, Vol. 1 of 3, Pages 2.1.1-2.1.7
<i>JS</i>	AQ	K. M. Uz et al., Combined multiresolution source coding and modulation for digital broadcast of HDTV*, 1992, Pages 283-292

EXAMINER

DATE CONSIDERED

4.19.03

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FORM PTO 1449 (modified)				ATTY DOCKET NO. 2000_1526		SERIAL NO. NEW	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				APPLICANT Mitsuaki OSHIMA			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				FILING DATE November 6, 2000		GROUP	
Date Submitted to PTO: November 6, 2000							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	5,142,353	8-25-92	Kageyama et al.			
	AB	5,197,061	3-23-93	Halbert-Lassalle et al.			
	AC	5,291,289	3-1-94	Hulyalkar et al.			
	AD	5,166,924	11-24-92	Moose			
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	AF						
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	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	0448492A1	9-25-91	Europe			✓
	AK	0485108A2	5-13-92	Europe			✓
	AL	0525641A2	2-3-93	Europe			✓
	AM	0540231A2	5-5-93	Europe			✓
	AN	0531046A2	3-10-93	Europe			✓
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AO	K. M. Uz et al., Multiresolution Source and Channel Coding for Digital Broadcast of HDTV, 1992, Pages 61-69.					
	AP	Nambi Seshadri et al., Multi-Level Block Coded Modulations with Unequal Error Protection for the Rayleigh Fading Channel, Vol. 4, No. 3, May-June 1993, Pages 325-334.					
	AQ	William F. Schreiber, Spread-Spectrum Television Broadcasting, SMPTE Journal, August 1992, Pages 538-549.					
EXAMINER S. Mandate				DATE CONSIDERED 4.19.03			

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JUL 8. 2005 3:59PM

NO. 4363 P. 10

FORM PTO 1449 (modified)		ATTY DOCKET NO. 2000_1526		SERIAL NO. NEW			
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Mitsuaki OSHIMA					
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE November 6, 2000		GROUP			
Date Submitted to PTO: November 6, 2000							
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	AJ	85/04541	10-10-85	WO			✓
	AK						
	AL						
	AM						
	AN						
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	AO	Martin Vetterli et al., Multiresolution Coding Techniques for Digital Television: A Review, Multidimensional Systems and Signal Processing, Volume 3, May 1992, Pages 161-187.					
	AP	Ezio Biglieri et al., Introduction to Trellis-Coded Modulation with Applications, April 6, 1992, Pages 173-207.					
AS	AQ	English Language Abstract of European Patent No. 93 30 7575					
EXAMINER		Amandate			DATE CONSIDERED 4.19.03		

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NO. 4363 P. 11

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: November 6, 2000

ATTY DOCKET NO.
2000_1526SERIAL NO.
NEW.APPLICANT
Mitsuaki OSHIMAFILING DATE
November 6, 2000

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	4,636,876	1-13-87	Schwartz			
	AB	4,855,692	8-8-89	Kennard et al.			
	AC	4,873,701	10-10-89	Tretter			
	AD	4,958,360	9-18-90	Sari			
	AE	5,115,453	5-19-92	Calderbank et al.			
	AF	5,168,509	12-1-92	Nakamura et al.			
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	0122805	10-24-84	EP			X
	AK	63-180280	7-25-88	JP			abstract
	AL						
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Kazuhiko Nitadori, Synthesis of Multichannel Orthogonal VSB Signals by Quadrature Method, 1976 International Conference on Communications, June 14-16, 1976, Volume 1, Pages 3-25 - 3-29.
	AP	Thomas M. Cover, Broadcast Channels, IEEE Transactions on Information Theory, January 1972, Pages 2-14
AS	AQ	"Optimum Weighted PCM for Speech Signals", Sundberg, IEEE Transactions on Communications, Volume COM-26, No. 6, June 1978, Pages 872-881.

EXAMINER

Amardate

DATE CONSIDERED

4.19.03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 2		FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (S) (Use several sheets if necessary) Date Submitted to PTO: October 21, 2003		ATTY DOCKET NO. 2000_1626		SERIAL NO. 09/705,776	
				APPLICANT Mitsuaki OSHIMA			
				FILING DATE November 6, 2000		GROUP 2634	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,170,413	12-8-92	Hess et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AL	AH	63-180222	7-25-88	Japan			abstract
	AI	2-94814	4-5-90	Japan			abstract
	AJL	61-70861	4-11-86	Japan			abstract
	AK	2-216279	8-30-90	Japan			abstract
	AL	2,095,435	5-10-92	Canada			X
	AM	91/20137	12-26-91	WO			X
AS	AN	92/22162	12-10-92	WO			X
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AO						
	AP						
	AQ						
EXAMINER				DATE CONSIDERED			
Amandase				09-30-04			

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